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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
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Pete Hess  
for follow-up OK

April 15, 2002

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor *DRH*

FROM: James D. Smith, Senior Reclamation Specialist *JDS*

RE: 2001 First Quarter Water Monitoring, Energy West Mining Company, Trail Mountain Mine, C/015/009-WQ01-1

1. Were data submitted for all of the MRP required sites? YES [ ] NO [X]

*Identify sites not monitored and reason why, if known:*

No springs are monitored during the 1<sup>st</sup> quarter;

UPDES UT23728-002: no operational parameters were reported for January;

UPDES UT23728-001 and -002 are still being reported under the old permit numbers:

UT40003-001 and -002. The change to the new permit was effective December 1, 1998.

2. On what date does the MRP require a five-year resampling of baseline water data.

*See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.*

### Resampling Due Date

Renewal submittal due 10/21/04, renewal due 02/21/05. Baseline analyses were performed in 1996 and will be repeated every 5 years, i.e., next baseline analyses will be in 2001.

**3. Were all required parameters reported for each site?** YES [ ] NO [X]

*Comments, including identity of monitoring site:*

UG-3: field pH and field conductivity were not reported.

**4. Were irregularities found in the data?** YES [X] NO [ ]

*Comments, including identity of monitoring site:*

SW-1: total anions (n = 67), lab conductivity (not a required parameter, n = 83), dissolved Mg (n = 16), and dissolved Na (n = 16) were outside two standard deviation range, and Mg and Na exceeded the maximum value recorded in the database;

SW-2: total suspended solids(n = 105), bicarbonate (n = 93), total anions (n = 70), total alkalinity (n = 89), Cl (n = 93), and total iron (n = 81) were outside two standard deviation range.

**5. Were DMR forms submitted for all required sites?**

1<sup>st</sup> month, YES [X] NO [ ]

2<sup>nd</sup> month, YES [X] NO [ ]

3<sup>rd</sup> month, YES [X] NO [ ]

*Identify sites and months not monitored:*

**6. Were all required DMR parameters reported?** YES [ ] NO [X]

*Comments, including identity of monitoring site:*

UT0023728-002:

January - Flow was the only parameter reported:

February - Daily Max TSS was not reported;

March - Daily Max TSS was not reported;

**7. Were irregularities found in the DMR data?** YES [X] NO [ ]

*Comments, including identity of monitoring site:*

At UT23728-002:

Average and maximum flow for January were below the minimum values recorded in the APPX database and were outside two standard deviation range (n = 6);

Average and maximum flow for February were reported as 0, which for both parameters were below the minimum values recorded in the APPX database and outside two standard

deviation range ( $n = 6$ ), but other water-quality parameters were measured and reported; Average and maximum flow for March were below the minimum values recorded in the APPX database and outside two standard deviation range ( $n = 6$ ); TDS Daily Max for March fell below the minimum value recorded in the APPX database and was outside two standard deviation range ( $n = 6$ );

**8. Based on your review, what further actions, if any, do you recommend?**

The Permittee needs to be more diligent in measuring field parameters, collecting samples, and reporting analysis results for discharge points, both DMR and operational samples.